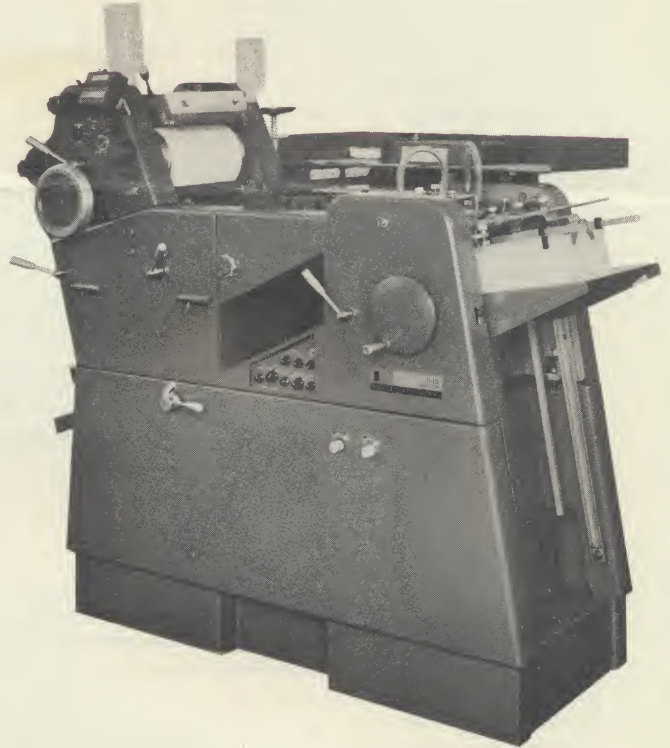


11•15 AUTOMATED OFFSET DUPLICATOR

**Provides Top Production,
Plus Flexibility,
for Short-run and
Systems Duplicating.**



Control without Straight-Jacketing: Matched automation elements for the 11•15 Offset Duplicator supply complete mechanization and sequence activation for the entire duplicating operation. In addition, they permit selection of the programming best suited for each type of job. Furthermore, they permit interruption of the cycle *at any point* for any desired adjustments on plate or machine. This "Control plus flexibility" conserves time and paper, assures highest quality on every type of job.

Three Steps instead of Thirteen: At least thirteen steps are required for a non-automated

run on any duplicator (often more are needed). The operator of an automated 11•15 Offset Duplicator performs only three quick operations: (1) replace plate; (2) press counter reset; (3) lower plate primer handle. Then the automation controls take over, seeing the run through to completion and shutting off the Duplicator when the required number of copies are finished.

Subtracts Nothing from "The World's Finest Offset Duplicator": Automation attachments do not interfere with the proper operation of the famous quality features of the 11•15 Duplicator.



BUSINESS PRODUCTS DIVISION
PHOTOSTAT CORPORATION, ROCHESTER, NEW YORK

SPECIFICATIONS

STANDARD FEATURES

UPPER CONTROL PANEL

Incorporates, on side-panel of "printer," all operator controls required to activate complete plate run. Panel lifts off for easy access to control parts, or for cleaning or repair of printer. Joined to lower control unit (described below) by a single multi-wire cable with twist-lock connection. Upper panel controls include the following:

Predetermining Counter: When set at quantity desired, "counts down," showing at any point the number of impressions required to complete run. At "zero," stops feed. Counter may be set at any quantity from 2 to 90,000, and quickly returned to this pre-set position by depressing reset lever. Counter may be "by-passed" to print "make-up" copies at any point in run. Mechanical activation of counter eliminates need for micro-switch often employed on counters of this type, and permits stopping without losing count of copies already completed. Two pilot lights are mounted on top of the counter to show start and completion of run.

Selector Switch: Three-position switch permits operator to select automatic or manual operation, or to interrupt automatic run without disrupting remainder of cycle.

Start Button: Employed to begin cycle on duplicators not equipped with plate etch units, or to reinstate interrupted run.

Blanket Cleaner Button: Activates automatic blanket cleaning unit, when required during interrupted run. After blanket is clean, printing may be automatically resumed and balance of cycle completed.

LOWER CONTROL UNIT

Includes Program Selection Panel, transistorized Electrical Control Unit and Servo motor for powering automated operations. Unit is mounted on duplicator side frames, under double-sheet receiving tray, access being easily attained by removing side panel. All control components are easily removable, for adjustment or replacement, by releasing thumb screws or retaining pins. While units are being readjusted, duplicator can be employed for non-automated production, simply by plugging in a by-pass connection provided for this purpose.

Program Selection Panel: Permits selection of cycle best adapted to the preferences and applications of individual installation. Elements for which programming can be varied are as follows: (1) Dampener—duration of operation and whether dampener form roller lifts between runs; (2) Inking—duration of inking before feeding; (3) Run-down—permits optional use of run-down copies, fed after inker has been disengaged, and selection of duration of operation (number of "run-down" copies); (4) Plate Cylinder Stop-position—Cylinder will always stop at position selected by operator for easiest plate change; (5) Blanket Cleaning—duration of cleaning, and position of

cleaning operation (beginning or end of cycle). Many variations of above are also possible. For example, by setting pre-determining counter at two less than required run, and setting program selector for two run-down copies, the inker will be disengaged two copies before completion of run, thus fully or partially running down the plate.

Electrical Control Unit: Consists entirely of plug-in elements incorporating the required relays, transistors and printed circuits, enclosed in compact control box mounted on side frame with thumb screws.

OPTIONAL EQUIPMENT

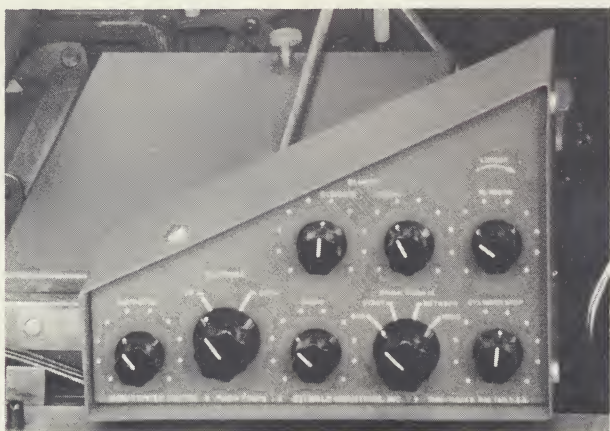
Automatic Blanket Wash-up Attachment: Cleans blanket thoroughly without paper waste or blanket wear. The cleaning operation may be automatically programmed, or activated by pressing "Blanket Cleaner" button. In either case, a cleaning roller, with a sponge-rubber sleeve, is brought into contact with the blanket and is revolved, by its own motor, in a direction opposite from that of the blanket cylinder. The cleaning roller absorbs wash-up solution from a reservoir immediately behind it, this reservoir being kept at proper level by gravity-fill from a polyethylene supply bottle. After programmed washing period, the unit retracts, its motor stops, and the duplicator continues running for a short programmed drying period. Duplicator then resumes cycle, or if blanket cleaning is the terminal operation, duplicator stops for insertion of next plate. Code 43102.

Plate Primer Attachment: Applies etch to plate. Molleton-covered roller, in rest position, absorbs etch from acetate sponge, which is wick-fed from solution tray. A forward motion of etch lever starts programmed printing unit revolving and brings roller into contact with plate, moistening it thoroughly. Returning the lever to rest position starts the next duplicating cycle (on a programmed duplicator). Code 43103.

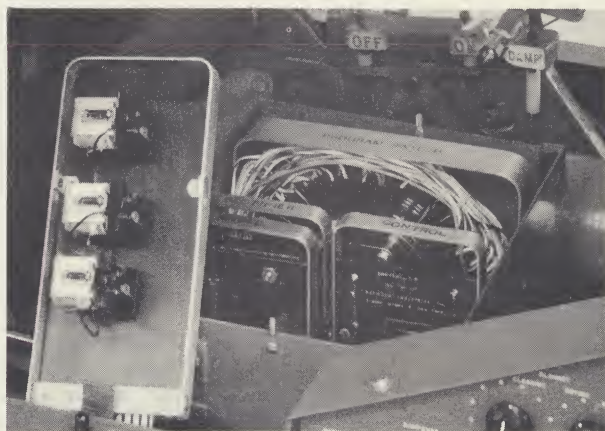
Systems Chute: Accurately positions special sizes or types of paper required as hand-fed elements in systems sets or similar applications. Consists of guides positioned over the feed tray, but not interfering with its use. Sheets placed between guides are brought squarely into contact with feed rolls. Conveyed against right or left jogger, they are accurately registered in for printing from full plate surface or a selected portion thereof. Code 43108.

Quick-change Clamps: Speed affixing of straight-edge plates onto plate cylinder. Consist of elements for leading and trailing edges of plate, both elements having retractable spring-loaded clamps. In addition, trailing-edge clamp is adjustable to varying lengths of plates, and applies spring-tension to hold plate tight against cylinder. Codes 43127 and 43128.

Work Organizer: Top portion consists of three-sectioned metal shelf for holding plates, solutions, sponges, applicators, plunger can. Work tray fits beneath shelf, pulls out on rollers. Entire unit fits on side of duplicator opposite operator. Code 43107.



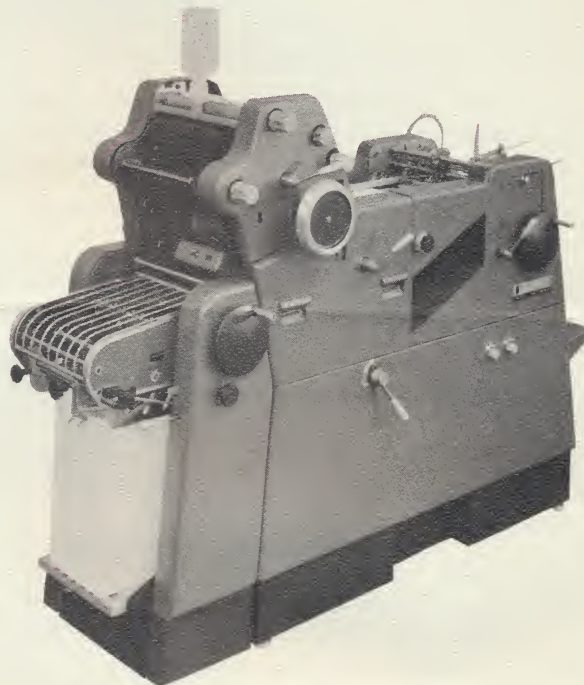
Program Selection Panel



Electrical Control Unit

11-15 OFFSET DUPLICATOR

**A versatile unit
emphasizing high quality
reproduction, simplicity
of operation.
Meets the varied
needs of the duplicating
facility, internal
or commercial.**



11-15 Offset Duplicator
with Chain Pile Delivery

Delivery Cylinder: Keeps paper under gripper control all the way to Receiver. Assures accurate registration, perfect image transfer, even on "hard-to-run" jobs. Especially important for multiple-copy forms, color work, halftone reproduction.

Instant Jogger Adjustment: Twist of a knob makes hair-line readjustments in horizontal position, without stopping duplicator. Saves time, improves quality. Especially useful in multiple color work, but helpful on every job you run.

Matching Scales for Setting Guides. Corresponding scales on feedboard, conveyor table

and receiving tray take guess-work out of changing guides. Reduces down-time between jobs and helps operator get more work done each day.

Interchangeable Inker: Lets operator change duplicator from one color to another without time-consuming wash-up. Expedites rush jobs and increases production.

Precision Ink Distribution: This duplicator is famous for its ability to provide accurate inking for halftones and solids. Essential for quality reproduction of pictorial and other advertising materials.

Itek

Itek Business Products, ROCHESTER, N.Y.

SPECIFICATIONS

STANDARD FEATURES

Receiving Tray: Tilting, with jogger on operator side. Paper bale, riding in slot of end stop, guides sheet into tray, lifts easily for paper removal.

Light Fixture: Fluorescent, built-in at receiving tray.

Cylinders: Plate and impression cylinders chrome plated for optional use of small-size plates. Blanket cylinder nickel-plated.

Grippers, Impression Cylinder: Seven pin-tumbler type, adjustable from 3/16" to 5/16".

Grippers, Delivery Cylinders: Six. Synchronized to receive sheet from impression cylinder, transport it to receiving tray.

Ink Unit: Removable for quick color change. Ten rollers, 2 forms, 2 oscillators. Six-notch control.

Dampening Unit: Four-roller with built-in general oscillator. Extra-wide ductor. Engineered for precision dampening.

Conveyor Table: Straight line. Joggers at both right and left are precision set by knobs on operator's side of machine. Tapes and ball races follow jogger, setting automatically, require no separate adjustment.

Double Sheet Deflector: Shunts doubles to tray under conveyor.

"Throw-Off" Mechanism: Blanket inking occurs only when sheet passes onto impression cylinder. Prevents "blanket buildup," an important cause of uneven color.

Feeder: Automatic, with two suction feet, slanting paper platform, flip-up back guides. Capacity 5000 sheets 20-lb. bond.

Plate Clamps: Pinbar or oval-serrated are standard. Others optionally available. Specify clamps desired at time of order.

Motors: Two 1/3 h.p., 110 volts, 60 cycle, A.C. Equipment may be connected into any convenience outlet with suitable current.

OPTIONAL EQUIPMENT

Chain Pile Delivery: A continuous chain conveyor is provided which transports printed sheets to position directly above receiving dolly. This dolly gradually lowers as the paper stack increases. Upon reaching floor, dolly trips feed shut-off. Paper may then be wheeled out for finishing operations. Receiver has joggers at one side and back. Chain Pile Delivery permits longer drying time, vertical sheet deposit. For quantity production on coated stock.

Work Organizer: Top portion consists of three-sectioned metal shelf for holding plates, solutions, sponges, applicators, plunger can. Work tray fits beneath shelf, pulls out on rollers. Entire unit fits on side of duplicator opposite operator.

Many other attachments are available to meet special needs.

OPERATIONAL DATA

Speed: 3400 to 7200 sheets per hour, operator selective.

Sheet Size: Maximum, 11" x 15"; Minimum, 3" x 3".

Image Area: Maximum, 9 3/4" x 13 1/4".

Weights of Paper Used: Max. 2-ply card; Min. 9-lb.

Plates Used: Any standard plate, direct-image, photo-offset, electrostatic, silver-transfer, or Project-A-Lith® Process.

PHYSICAL CHARACTERISTICS

Size: Length, 61"; width, 28"; height, 50".

Weight: Uncrated, 740 lbs.; crated, 960 lbs.

With Chain Pile Delivery

Size: Length, 69 1/2"; width, 28"; height, 50".

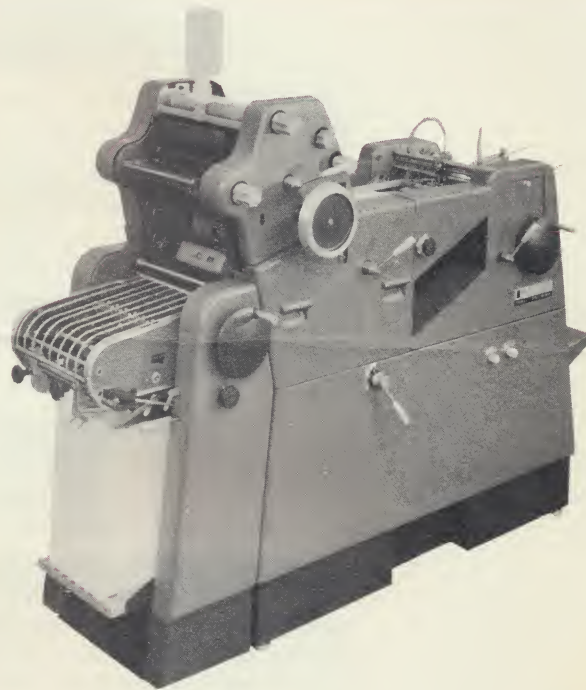
Weight: Uncrated, 1070 lbs., crated, 1280 lbs.

® Trademark, Photostat Corporation

11·17 OFFSET DUPLICATOR

2 STEPS UP!

- A STEP UP IN PLATE SIZE
- A STEP UP IN PRINTING QUALITY



Build Capacity and Quality simultaneously with the new 11·17 Offset Duplicator

11" x 17" Sheet Size permits 2-up printing of 8½ x 11's, cutting press and bindery time in half, and permitting the use of saddle-stitching instead of awkward single-sheet binding.

Big-Press Systems for conveying, dampening, inking, and receiving enhance image-quality, registration, and paper-handling capability — expand the number and type of jobs that can be printed SUPERBLY.

Set-up Speed, Convenience and Precision keep the 11·17 rolling, turning out **more** and **better** work.

4-Star Features of the 11·17

- ★ **Delivery Cylinder:** Keeps paper under gripper control all the way to Receiver. Assures accurate registration, perfect image transfer, even on "hard-to run" jobs. Especially important for multiple-copy forms, color work, halftone reproduction.
- ★ **Instant Jogger Adjustment:** Twist of a knob makes hair-line readjustments in horizontal position, without stopping duplicator. Saves time, improves quality. Especially useful in multiple color work, but helpful on every job you run.
- ★ **Matching Scales for Setting Guides:** Corresponding scales on feedboard, conveyor table and receiving tray take guess-work out of changing guides. Reduces down-time between jobs and helps operator get more work done each day.
- ★ **Precision Ink Distribution:** This duplicator is famous for its ability to provide accurate inking for halftones and solids. Essential for quality reproduction of pictorial and other advertising materials.

Itek

ITEK BUSINESS PRODUCTS, ROCHESTER, N.Y.

SPECIFICATIONS

STANDARD FEATURES

Chain Pile Delivery: Sheets are delivered to receiving dolly, caster-equipped, which gradually lowers as stack increases. Upon reaching floor, dolly trips feed shut-off. Paper may then be wheeled out for finishing operations, extra dolly placed in position. Joggers at one side and back of dolly. A continuous chain conveyor is provided to transport sheets to position directly above stack. Permits longer drying time, vertical sheet deposit. Important for quantity production on coated stock.

Cylinders: Plate and impression cylinders chrome plated for optional use of small-size plates. Blanket cylinder nickel-plated.

Grippers, Impression Cylinder: Seven pin-tumbler type, adjustable from $\frac{3}{16}$ " to $\frac{5}{16}$ ".

Grippers, Chain Delivery: Synchronized to receive sheet from impression cylinder, transport it to receiving dolly.

Ink Unit: Removable for quick color change. Ten rollers, 2 forms, 2 oscillators. Six-notch control.

Dampening Unit: Four-roller with built-in geared oscillator. Extra-wide ductor. Engineered for precision dampening.

Conveyor Table: Straight line. Joggers at both right and left are precision set by knobs on operator's side of machine. Tapes and ball races follow jogger setting automatically, require no separate adjustment.

Double Sheet Deflector: Shunts doubles to tray under conveyor.

"Throw-Off" Mechanism: Blanket inking occurs only when sheet passes onto impression cylinder. Prevents "blanket build-up," an important cause of uneven color.

Feeder: Automatic, with two suction feet, slanting paper platform, flip-up back guides. Capacity 5000 sheets 20-lb. bond.

Plate Clamps: Pin bar.

Motors: One $\frac{1}{8}$ h.p., One $\frac{1}{2}$ h.p., 110 volts, 60 cycle, A.C. Equipment may be connected into any convenient outlet with suitable current.

OPERATIONAL DATA

Speed: 3400 to 7200 sheets per hour, operator selective.

Sheet Size: Maximum, 11" x 17"; Minimum, 3" x 5".

Image Area: Maximum, $10\frac{3}{8}$ " x $16\frac{1}{2}$ ", centered on 11" x 17" sheet.

Weights of Paper Used: Maximum, 2-ply card; Minimum, 11-lb.

Plates Used: Any standard plate, prepared by direct-image, photo-offset, electrostatic or silver-transfer processing. Thickness, .006".

PHYSICAL CHARACTERISTICS

Size: Length, $69\frac{1}{2}$ "; width, 28"; height, 50".

Weight: Uncrated, 1070 lbs.; crated for domestic shipment, 1280 lbs.